

## WHAT IS CLAIMED IS:

1. A device, suitable for cleaning liquid-containing vessels, equipped with an energy storage means and a self-tracking means, wherein said device is capable of floating and actively moving in said vessel.
2. A device according to claim 1, wherein said device is further equipped with a filter.
3. A device, suitable for cleaning liquid-containing vessels, equipped with an energy storage means and a filter, suitable for filtering a liquid present in said vessel, and wherein said device is capable of floating and actively moving in said vessel.
4. A device according to claim 3, wherein said device is further equipped with a self-tracking means.
5. A device according to claim 4, wherein said self-tracking means is selected from: a combination of a means to actively move the device and a rudder attached to the device; a combination of a means to actively move the device and balancing the center of gravity of the device in the region of the device that remains in contact with inner side walls of the vessel; a combination of a means to actively move the device and balancing the center of gravity of the device in the vicinity of said means to actively move the device; a combination of a means to actively move the device and a spray nozzle, spraying a cleaning solution and/or a rinse liquid onto the inner side walls of the vessel; and combinations thereof.
6. A device according to claim 4, wherein the device is additionally equipped with a rudder.

7. A device according to claim 4, wherein said device is equipped with a spray nozzle or a set thereof to apply a cleaning composition and/or rinse-liquid onto the inner surfaces of said liquid-containing vessel.
8. A device according to claim 4, wherein said device is equipped with a pumping means.
9. A device according to claim 4, wherein said device is equipped with a disposable battery or a rechargeable battery pack.
10. A device according to claim 4, wherein said device is equipped with a reservoir for a cleaning composition.
11. A device according to claim 10, wherein said cleaning composition comprises compounds selected from the group consisting of surfactants, solvents, bleaches, stabilizing agents, chelating agents, builder systems, radical scavengers, perfumes, dyes, suds suppressing agents, photobleaching agents, other minors, and mixtures thereof.
12. A kit comprising a device according to claim 4 and a docking station, wherein said docking station is optionally equipped with a device for recharging the rechargeable battery pack of the automatic cleaning device and/or a storage tank for a cleaning composition.
13. A process of removing soil from the inner surfaces of a liquid-containing vessel, with a floating cleaning device equipped with an energy storage means, wherein said soil has been deposited on said surface less than 180 minutes prior to the start of said process.

14. A process of removing soil from the inner surfaces of a liquid-containing vessel, with a floating cleaning device according to claim 4, wherein said soil has been deposited on said surface less than 180 minutes prior to the start of said process.

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